Cytometer Performance Report

Cytometer:	FACSCantoII	User:	Administrator
Cytometer Name:	FACSCantoII	Institution:	N/A
Serial Number:	V33896201821	Software:	BD FACSDiva 8.0.2
Input Device:	Carousel	Date:	10/02/2018 10:21 AM
Tube Loaded Manually:	Yes	Cytometer Baseline:	09/25/2018 11:17 AM
Cytometer Configuration:	Euroflow 3-laser, 8-color (4-2-2)	P/F:	Pass

Setup Beads

Bead Product:	CST Setup Beads	Part #:	910859
Lot ID:	80291	Expiration Date:	02/29/2020
Bead Lot Information:	Available		

Detector Settings

Laser	Detector	Parameter	Target Value	Actual Target Value	% Difference Target Value	Bright Bead % Robust CV	Mid Bead Median Channel	Mid Bead % Robust CV
Blue	FSC	FSC	125000	124179	-1	0.96	124232	0.93
Blue	F	SSC	125000	126466	1	1.54	127203	1.56
Blue	E	FITC	16596	16097	-4	2.79	347	21.36
Blue	D	PE	29392	28600	-3	1.86	621	15.91
Blue	B	PerCP-Cy5-5	38531	38393	-1	4.06	1167	21.95
Blue	A	PE-Cy7	26351	26610	0	7.21	649	43.65
Red	C	APC	43035	42333	-2	2.66	1597	13.37
Red	A	APC-Cy7	25611	25415	-1	2.87	870	12.99
Violet	B	V450	8803	8248	-7	3.80	454	14.32
Violet	A	V500	32560	31534	-4	3.56	736	10.40

Detector Settings (Continued)

Laser	Detector	Parameter	Dim Bead Median Channel	Dim Bead % Robust CV	PMTV	Δ PMTV	Qr	Br	P/F
Blue	FSC	FSC	20474	2.57	604	7	N/A	N/A	Pass
Blue	F	SSC	57445	1.05	569	14	N/A	N/A	Pass
Blue	E	FITC	62	68.71	554	4	0.0172	156	Pass
Blue	D	PE	128	55.82	554	5	0.1481	324	Pass
Blue	B	PerCP-Cy5-5	222	52.45	657	6	0.0079	49	Pass
Blue	A	PE-Cy7	127	107.66	714	9	0.0097	26	Pass
Red	C	APC	375	28.22	603	6	0.0197	130	Pass
Red	A	APC-Cy7	215	29.15	577	6	0.0048	1376	Pass
Violet	B	V450	71	63.87	476	1	0.0410	1783	Pass
Violet	A	V500	110	35.23	487	3	0.0238	1049	Pass

Specifications

PMTV Delta from baseline:	50 (BD)
Violet Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)
Blue Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)
Red Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)

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Laser Settings

Laser	Power (mW)	Power Spec. (mW)	Current (mA)	Current Guidelines (mA)	Delay (Trigger on FSC)	Delay (Trigger on Fluorescence)	Area Scaling Factor
Violet	59.55	47.98 - 71.98	N/A	N/A	-32.46	-32.40	1.10
Blue	20.35	16.27 - 24.41	1.25	0.99 - 1.49	0.00	0.00	1.52
Red	16.41	13.60 - 20.40	N/A	N/A	29.77	29.97	1.21

Window Extension: 7.00
FSC Area Scaling Factor: 0.93

Threshold

Threshold (FSC): 9845

Fluidics

FACSFlow Pressure: 3.90 Sample Pressure: 3.60
Spec.: 3.80 - 4.00

Comments